

International Application No
International Application No T/EP2004/004527

		₹T/EF	2004/004527
A. CLASS	IFICATION OF SUBJECT MATTER 867D5/70		
A occompany	A lateral design of December 2011		
	o International Patent Classification (IPC) or to both national classific SEARCHED	cation and IPC	
Minimum d	ocumentation searched (classification system followed by classifica-	tion symbols)	
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Documenta	tion searched other than minimum documentation to the extent that	such documents are included in the fi	elds searched
Electronic d	ata base consulted during the international search (name of data b	ase and, where practical, search terms	s used)
EPO-In			·
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category •	Citation of document, with indication, where appropriate, of the re-	elevant passages	Relevant to daim No.
Y	FR 2 813 872 A (FMC EUROPE)		1-13
	15 March 2002 (2002-03-15) cited in the application		
	page 3, line 25 - page 4, line 1	4: figures	
	1-8	·, · · · g · · · · ·	
Υ	FR 1 415 279 A (PARKER HANNIFIN	CODD)	
	22 October 1965 (1965-10-22)	·	1-13
	page 1, column 1. line 34 - line	41	
	page 2, column 1, line 31 - page 2, line 20; figures 1,2,9	2, column	
,]			
A	US 6 343 620 B1 (LEDEVEHAT EUGEN 5 February 2002 (2002-02-05)	E ET AL)	
	-~		
A	US 4 299 261 A (TALAFUSE LARRY J)	
	10 November 1981 (1981-11-10)		
	·	-/	
		•	
X Furth	er documents are listed in the continuation of box C.	X Patent family members are li	sted in annex.
° Special cat	egories of cited documents :		
'A' documer	nt defining the general state of the art which is not	 Te later document published after the or priority date and not in conflict 	With the application but
E earlier de	cred to be of particular relevance	invention	or theory underlying the
"L' documer	ne of the state of	"X" document of particular relevance; cannot be considered novel or cannot be considered novel or cannot be considered novel.	annot be considered to
citation	or other special reason (as specified)	involve an inventive step when it "Y" document of particular relevance;	the claimed invention
O' docume: other m	nt referring to an oral disclosure, use, exhibition or leans	document is combined with one	an inventive step when the
P documer later that	nt published prior to the international filling date but an the priority date claimed	ments, such combination being of in the art.	
	ctual completion of the international search	*&* document member of the same pa	
		bate of finding of the international	і ѕеагслі героп
29	July 2004	02/09/2004	
Name and ma	ailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,		
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International Application No

		T/EP2004/004527		
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	WO 01/04041 A (LE DEVEHAT RENAUD ; FMC EUROPE (FR)) 18 January 2001 (2001-01-18)			
A	GB 1 591 646 A (EMH) 24 June 1981 (1981-06-24)			
	·			
	·			

Information on patent family members

International Application No T/EP2004/004527

Patent document	- 1	Publication		Patent family		Publication
cited in search report		date	<u></u>	member(s)		date
FR 2813872	Α	15-03-2002	FR	2813872	λ1	15-03-200
			ΑÜ	9001401	Δ	25-03-200
			CA	2422121	. A 1	26-03-200
			CN	1458903		21-03-200
			ΕP	1322544		26-11-200
			. MO	1322344	A1	02-07-200
			JP	0222491	. Al	21-03-200
			NO	2004509027		25-03-200
				20031153	A	09-05-200
			US	2004099336	A1	27-05-200
FR 1415279	Α	22-10-1965	NONE			
US 6343620	B1	05-02-2002	FR	2793235	Δ1	10-11-200
			AT	247598	7.	10-11-200
			AU	759005		15-09-200
			AU	4305900	DZ ^	03-04-200
			BR			17-11-200
			CA	0011222	A	19-03-200
				2371529	AI.	09-11-200
			CN	1131169		17-12-200
•			DE	60004661		25-09-2003
			DE	60004661		17-06-2004
			EP	1181238	A1	27-02-2002
			ES	2206226		16-05-2004
			WO	0066484		09-11-2000
			JP	2002543011		17-12-2002
			NO	20015370	A	02-01-200
			ZA	200108817		20-02-2003
US 4299261	Α	10-11-1981	BR	7908021	~~~~~	
	••	10 11 1901	CA			08-07-1980
			DE	1128406		27-07-1982
				2964502	DI	17-02-1983
			DK	523779	A	12-06-1980
			EP	0012518		25-06-1980
			ES	486717	A1	16-06-1980
			JP	55089100		05-07-1980
			NO	793928	Α	12-06-1980
WO 0104041	Α	18-01-2001	FR	2796375	A1	19-01-2001
			AT	261910		15-04-2004
			AU	6296300		30-01-2001
			CA	2378652	A1	18-01-2001
			CN	1420841	T	28-05-2003
			DE	60009073		
			EP	1196347		22-04-2004
			WO.	0104041		17-04-2002
			JP	2003511284	HZ T	18-01-2001
				20020124	1	25-03-2003
			NO	20020136		11-03-2002
			US	6719008	B1	13-04-2004
			ZA 	200200023	A	28-07-2003
GB 1591646	Α	24-06-1981	FR	2367700		12-05-1978
			AR	223308		14-08-1981
			BR	7706879	Α	11-07-1978
			CA	1086183	A1	23-09-1980
			DE	2745890	A1	20-04-1978
			ES	463251		16-07-1978
			JP	1329455		30-07-1986
			JP	53049322	Δ	04-05-1978
			0.	JUVTJULI		



International Application No

inic	Information on patent family members			T/EP2004/004527		
Patent document cited in search report	Publication date		Patent family member(s)		Publication date	
GB 1591646 A		JP NL NO SU	6005540 771131 77352 95585	0 A 3 A .B.	04-12-1985 18-04-1978 18-04-1978 30-08-1982	
	•					